



DEFENSE LOGISTICS AGENCY
DEFENSE SUPPLY CENTER, COLUMBUS
POST OFFICE BOX 3990
COLUMBUS, OH 43216-5000

IN REPLY
REFER TO

DSCC-VAT

1 July 2004

MEMORANDUM FOR MILITARY/INDUSTRY DISTRIBUTION

SUBJECT: Initial Draft of MIL-PRF-8805 /11J, /14F, /15G, /17G, /18G, /19F, /23G, /25F, /34E, /38G, /40H, /47G, /48H, /49H, /65D, /76H, /84E, /90F, /96E, /100F, /101K, /104C, /107C, /110D, and /114C.
Project numbers 5930-1838 through -1863.

The drafts of the above subject documents are being sent to you for review and comments. These drafts consist of the following changes:

Updating of referenced documents.
Incorporation of amendments.

If these documents are of interest to you, please provide your comments electronically. This can be in the form of a return e-mail, with or without an attached text file. A 45-day coordination cycle from the date of this letter has been allotted. Please provide your comments within that time period. If no comments are received in the allotted 45 day coordination cycle, concurrence is assumed and all comments received after will be held to the first amendment. If an electronic response is not possible we will still accept comments via letter, facsimile or phone call but only after you have contacted the project officer listed below. The draft documents can be found at the following DSCC-VA web page:

www.dsccl.dla.mil/Programs/MilSpec/initialdrafts.asp

This process still requires military departments to identify their comments as "Essential" or "Suggested". Essential comments must be justified with supporting data. Military review activities should forward comments to their custodians or this office, as applicable, in sufficient time to allow for consolidating the department reply.

If there are any questions, please contact Mark Rush by the preferred method of E-Mail at Mark.Rush@dlm.mil or by telephone at commercial 614-692-0550, DSN 850-0550; or by facsimile at 614-693-1644. Our mailing address as a last resort is Defense Supply Center, Columbus, DSCC-VAT, P.O. Box 3990, Columbus, OH 43216-5000. If you have further questions or concerns you may contact me at Kendall.Cottongim@dlm.mil, by telephone at 614-692-0676 or by facsimile at 614-692-6939.

/ SIGNED /
KENDALL A. COTTONGIM
Chief
Electronics Components Team



NOTE: This draft, dated July 1, 2004 prepared by DLA-CC, has not been approved and is subject to modification. DO NOT USE PRIOR TO APPROVAL.
(Project 5930-1853)

INCH-POUND
MIL-PRF-8805/65D
DRAFT
SUPERSEDING
MIL-PRF-8805/65C
3 September 1999

PERFORMANCE SPECIFICATION SHEET

SWITCHES, SENSITIVE, DPDT, PLUNGER, 5 AMPERES, RESILIENT SEAL

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The complete requirements for acquiring the switches described herein shall consist of this specification and the latest issue of MIL-PRF-8805.

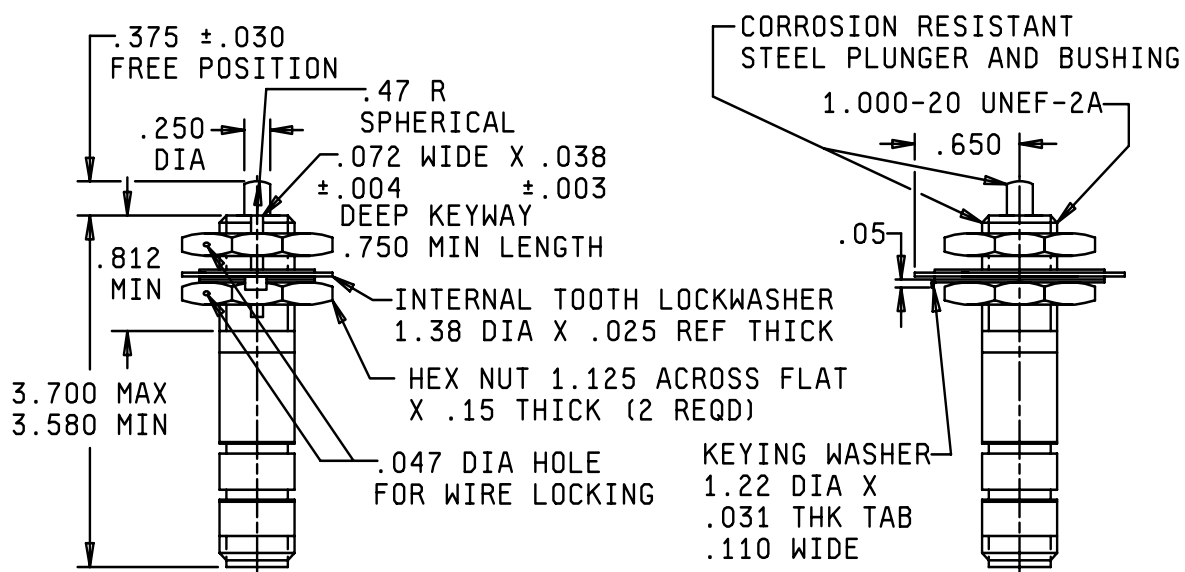
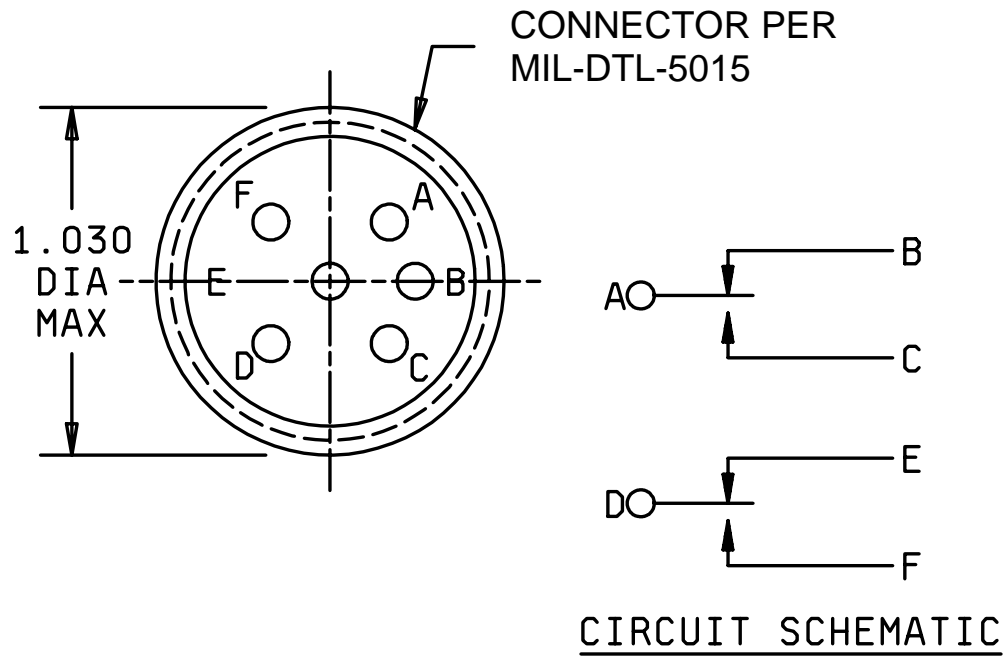


FIGURE 1. Dimensions and configurations.



Inches	mm	Inches	mm
.003	0.08	.375	9.53
.004	0.10	.470	11.94
.025	0.64	.650	16.51
.030	0.76	.750	19.05
.031	0.79	.812	20.62
.038	0.97	1.030	26.16
.047	1.19	1.125	28.58
.050	1.27	1.220	30.99
.072	1.83	1.380	35.05
.110	2.79	3.580	90.93
.150	3.81	3.700	93.38
.250	6.35		

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for general information only.
3. Unless otherwise specified, tolerances are ± 0.02 (0.51 mm) for two place decimals and ± 0.005 (0.13 mm) for three place decimals.
4. Switch configuration optional provided dimensions specified are not exceeded.

FIGURE 1. Dimensions and configurations - Continued.

REQUIREMENTS:

Dimensions and configuration: See figure 1.

Enclosure design: Four (resilient). All entrances to the switch cavity except through the actuator bushing shall be sealed by fusion of glass-to-metal, metal-to-metal, or ceramic-to-metal.

Temperature characteristic: 1 (-55°C to +85°C).

Shock type: H (High-impact). There shall be no opening of closed contacts in excess of 8 milliseconds.

Vibration grade: 2(10 Hz to 2,000 Hz).

Weight: 0.60 pound maximum.

Operating characteristics:

Actuating force: 6 to 12 pounds.

Pretravel: 0.040 inch maximum.

Movement differential: 0.020 inch maximum.

Overtravel: 0.250 inch minimum.

Finish: Switch housing shall be processed to resist corrosion.

Contact resistance: 0.5 ohms maximum measured with a 5 ampere test current and a 28 V dc test voltage.

Dielectric withstanding voltage: Sea level (1,000 V rms).

Seal test: Only watertight test shall be performed in group A.

Mechanical endurance: 25,000 cycles.

Electrical endurance: 25,000 cycles.

Electrical ratings: See table I.

Marking: The circuit schematic shall be permanently and legibly marked on the switch case.

Part or Identifying Number (PIN): M8805/65-001.

TABLE I. Electrical ratings.

Load	Sea level 28 V dc amperes
Resistive	5
Inductive	3
Motor	4

Marginal notations are not used in this revision to identify changes with respect to the previous issue.

Referenced Documents:

MIL-DTL-5015
MIL-PRF-8805

Custodians:

Army – CR
Navy - EC
Air Force - 11
DLA - CC

Preparing activity:

DLA - CC

(Project 5930-1853)

Review activities:

Army - AR, AV, MI
Navy - AS,. MC, SH
Air Force - 19, 99

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at www.dodssp.daps.mil.